

Ahmed Mohamed Saad

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EDUCATION:

- **King Abdullah University of Science and Technology (KAUST), Thuwal, KSA**
PhD, Upstream Petroleum Engineering Research Center (UPERC), (June 2016-Present),
Research work: Low-salinity water flooding in carbonates, rock surface chemistry.
- **King Abdullah University of Science and Technology (KAUST), Thuwal, KSA**
M.S. Earth Science and Engineering, May 2016, GPA: 3.76/4
Thesis: Multi-scale modeling of compressible single-phase flow in porous media using molecular simulation.
- **Suez University, Suez, Egypt**
B.S. Petroleum Engineering, June 2014, Grade: **Excellent with First Class Honor**, 89.16%, ranked 2nd on batch.
Graduation project: Evaluation Study of Raml Field, Western Desert, Egypt - Complete Study Including Drilling, Reservoir, Production, Geology and Well Logging Analyses.

PROFESSIONAL EXPERIENCE:

- **Saudi Aramco,**
Intern position, Reservoir Description & Simulation Dep. June-July 2015
 - Worked on model initialization, history matching and prediction using GigaPOWERS.
 - Worked on assessment of fluid contacts and water production source.
 - Developed scripts using Matlab for run time optimization of simulation models and for conversion of the format of simulation input data files into GigaPOWERS format.
 - Created a Spotfire project with the available static and dynamic data of a gas field.
- **Gulf of Suez Petroleum Co. (Bp JV),**
Intern position, Ras Shokeir Field, Gulf of Suez, Egypt August 2013
 - Witnessed drilling operations of offshore Jack-up rig on an exploratory well, explored surface production equipment of an offshore production platform.
- **Abu-Qir Petroleum Co. (Edison JV),**
Intern position, Reservoir Engineering Division July 2013
 - Worked on PVT data QC, Correction using Prosper, Well test analysis and model selection using Saphir and Reserve estimation using Mbal.
- **Badr El-Din Petroleum Company (Shell JV)**
Intern position, (BED-1 field) July 2011, (BED-3 field) Sep. 2012, Western Desert, Egypt
 - Engaged in the process of drilling (from rig move to running the production casing).
 - Explored the field production equipment, Visited gas plants, production stations and encountered different artificial lift methods and maintenance of equipment in the yard.

Academic Achievements:

- Presented a paper entitled “Multi-Scale Coupling Between Monte Carlo Molecular Simulation and Darcy-Scale Flow in Porous Media” in **2016 ICCS in San Diego**, California, U.S.A. Published in **Procedia Computer Science**.
- Awarded a travel grant and selected for participation in **9th SPE IPTC** (International Petroleum Technical Conference) in Doha, Qatar, Dec 2015.
- Awarded a travel grant and selected for participation in **SEG SEP (Student educational program)** in Prague, Czech Republic, July 2015.
- Won the **1st** place in **SPE Petro-Bowl** Middle-East region championship, March 2015 in Manama, Bahrain and participated in the global finals in Houston, USA, Sep. 2015.
- Worldwide **Outstanding SPE Student Chapter Award**, KAUST, 2015.
- Awarded **full scholarship** for Master studies from **KAUST**.
- Bachelor degree **First Class Honor**, ranked **2nd** on batch, July 2014.
- Awarded travel grant for Participation in **SEG Student Symposium**, April 2014 in Muscat, Oman.
- **1st** rank on high school, Mathematical science division, with score 99.5 %, 2009.

EXTRACURRICULAR ACTIVITIES:

- Elected as **president** of KAUST **SPE (Society of petroleum engineers)** student chapter, April 2016 and as **vice-president** of **SEG (Society of Exploration Geophysicists)** student chapter, December 2014.
- **Co-founder and president** of KAUST **EAGE** student chapter, June 2015.
- Represented KAUST in “**SPE student summit 2015**” Co-organized by: University of Oklahoma and Texas A&M University, February 2015 in Oklahoma, USA.
- Member in **Logistics Team 2010/2011**, **SPE Academy 2011: 2014**, **SPE Suez University SC**.
- Member of **Science club of Planetarium science center** in the Alexandria Bibliotheca, 2007/2008.
- **Online courses:** “Reservoir Geomechanics”, Stanford university - “Statistics One”, Princeton University - “Introduction to Computer Science” (using python) on Udacity.

TECHNICAL AND COMPUTER SKILLS:

- **Software**
Prosper, Mbal ,Saphir, PVTsim, Aramco’s simulator GigaPOWERS, MS office, SPSS and Schlumberger Eclipse(2-day introductory course by **NEXT**, Cairo, January 2014).
- **Computer programming**
Matlab, R, Fortran.
- **Operating systems**
Microsoft Windows, Mac OS, Ubuntu.

LANGUAGES:

- **Arabic** (mother tongue), **English** (advanced): IELTS Score: 8/9.